

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010484**Date Inspected:** 24-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Lv Lv qian**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) Inspector, D.Sukanthan was present during the time noted above for observations relative to the work being performed.

**OBG # SEGMENT 7DE**

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 004715 to perform Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Magnetic Particle Test report for this date. The member is identified as Drain plate. The weld tested is identified as follows:

(OBE 7E – 001, 002)

**OBG # SEGMENT 7EE**

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 004722 to perform Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Magnetic Particle Test report for this date. The weld tested is identified as follows:

(SEG042B-001,002,009,010,011,012)

(SEG042C-001,002,005,008,014)

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## WELDING INSPECTION REPORT

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(SSD29-PP58.5-049,050,051,052,053,054)  
(SSD29-PP58.5-063,064,065,066,067,068)  
(SSD29-PP58.5-099,100,101,102,103,104)  
(SSD29-PP58.5-161,162,163,164,165,166,173,174,175,176,177,178)  
(SSD19-PP59-038,039,040,041,042,043,099,100,101,102)  
(SSD19-PP59-103,104,052,053,054,055,056,057,115,116,117,118,119,120)  
(SSD19A-PP59-117,118,115,116,113,114,040,041,038,039,036,037,097,098,095,096,093,094)  
(SSD19-PP59-005)  
(DP496-001-009,011,017,026,035,015,020,024,029,033)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-00422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Sukanthan,Dhanasingh	Quality Assurance Inspector
<b>Reviewed By:</b>	Hall,Steven	QA Reviewer

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